

22. On a weapon, of the type including a handle and a barrel adapted to contain and discharge a load of ammunition,

Means for accessing and downloading data contained on an electronic memory device storing data from said weapon by means of an interface utilizing an I²C serial data communication protocol.

23. The method as recited in claim 22

Whereby said data is further downloaded into a computer provision utilizing data integrity preservation means.

24. The method as recited in claim 23

Whereby said downloaded data is automatically processed by a secure software provision in said computer provision for further converting it into a substantially non-editable encrypted digital document.

ABSTRACT

This invention refers to a compact monitoring system for firearms, including a detecting and tracking structure and a method for confirming ammunition has been discharged from said weapon, more specifically, to a weapon usage detecting and tracking device and a method that utilizes battery operated microcontroller circuitry, and could be used in combination either with a load depletion process warning system which in turn comprises a method for signaling the user of the depletion process using luminous indicators, and a time and date event recorder or in combination with both, sharing substantially the same structure. Provisions are made in the time recording structure to securely retrieve use information at a further date in a way that may include secure handshaking and a serial number.